MCDOT Interactive Map

Frequently Asked Questions:

Do the point numbers assigned to the points exported have any significance?

The points are numbered in specific ranges that have their own category.

Point Range	Category Description
100,000 – 199,999	Secondary control points (Usually observed at least twice for 90 seconds with GPS or GNSS)
200,000 – 299,999	Aerial panel points (Usually observed at least twice for 90 seconds with GPS or GNSS)
300,000 – 399,999	Monuments found
400,000 – 499,999	Search locations no monument found (A hole may or may not have been dug while searching)
500,000 – 599,999	MCDOT monuments set
900,000 – 999,999	Miscellaneous
1,000,000 and above	GDACS points

How do I relate the point numbers on the Interactive map with the point numbers on the GDACS record of surveys?

The Maricopa County GDACS project used some specific alphanumeric point numbers that do not work with some CAD and data collection software programs, therefore point numbers in the interactive map have been altered to allow these point numbers to work. The following point number cross-reference information will allow for translating monument numbers back to the GDACS Record Of Surveys.

Interactive Map suffix replacement	GDACS Record of Survey suffix
01	-1
02	-2
03	-3
…	…
10	-10
21	-1M
22	-2M
23	-3M
…	…
29	-9M
61	-R1

62	-R2
63	-R3
…	…
69	-R9

71	-W1
72	-W2
73	-W3
…	…
79	-W9

81	-T1
82	-T2
83	-T3
…	…
89	-T9

| 90 | -Z |
| 91 | -Z1 |

Examples:

Point number 3079891 from the Interactive Map corresponds to point 30798-Z1 from the Maricopa County GDACS Record Of Survey.

Point number 3075021 from the Interactive Map corresponds to point 30750-1M from the Maricopa County GDACS Record Of Survey.

How do I interpret the abbreviations in the monument description field?

The text in the Data Collector Code and Monument Description fields are abbreviated in an effort to save space by limiting field size. Some of the definitions for the abbreviations are listed below:

A	Aluminum
ADOT	Arizona Dept. of Transportation
AHD	Arizona Highway Department
B	Bar
BC	Brass Cap
BLM	Bureau of Land Management
CALC	Calculated
CL	Centerline
COC	City of Chandler

COG	City of Glendale
COM	City of Mesa
CONC	Concrete
COP	City of Phoenix or City of Peoria
COS	City of Scottsdale or City of Surprise
COT	City of Tempe
D	Down or Dirt
DD	Down in Dirt hole
DH	Down in Hand Hole
DN	Down
E	East
ENG	Engineering
F	Flush or Found
FD	Found
FL	Flush
FT	Foot
FTHIL	Fountain Hills
G	Galvanized
GLO	General Land Office
HH	Hand Hole
HWY	Highway
I	Iron
ID	Identification
IN	Inch
INT	Intersection
IP	Iron Pipe
LS	Land Surveyor
M	Metal or Monument
MAC	Monument Aluminum Cap
MBC	Monument Brass Cap
MBS	Monument Bridge Spike
MC	Maricopa County
MCED	Maricopa County Engineering Department
MCDOT	Maricopa County Dept. of Transportation
MCHD	Maricopa County Highway Dept.
MCPS	Monument Cotton Picker Spindle
MCX	Monument Chiseled Cross
MHT	Monument Hub & Tack
MHW	Monument Hub & Whisker
MIP	Monument Iron Pipe
MMS	Monument Marked Stone
MM	Misc. Survey Monument
MNW	Monument Nail & Whisker
MN	Monument Nail

|	
MPF	Monument Post Found
MRR	Monument Railroad Spike
MR	Monument Rebar
MSNF	Monument Searched for Not Found
N	North
NE	Northeast
NL	Nail
NW	Northwest
P	Pipe
R	Range or Red
RB	Rebar
ROW	Right of Way
S	Steel or South or Section
SE	Southeast
SRP	Salt River Project
SSTL	Stainless Steel
SW	Southwest
T	Township
TOG	Town of Gilbert
U	Up
YPC	Yellow Plastic Cap
W	West
W/	With
W/O	Without

How do I extract point data from this map?

Use the icon button from the top toolbar to initiate drawing a polygon around the points you wish to process. Double click at the beginning/ending point of the polygon to close the selection area.   As the polygon closes another dialog box will appear with the option to select checkboxes for each associated field you wish to export.

I made an error in my point data selection, how do I start over?

Select the button from the top toolbar to clear the previous selection and redraw another polygon to select points again.

How can I find a particular location on the map quickly?

Select the Search Tools tab at the top of the Table of Contents to reveal the options for locating a particular portion of the map display. Enter the information best suited for your particular search location and then choose the appropriate button associated with your search criteria. The map will then display and zoom into the location searched on.

Are data sheets available for any of these control points?

Data available for control points and monuments can be retrieved by using the select button from the top toolbar and then selecting the point of interest. Selecting the point will initiate a pop-up window with a list of available choices for that particular point. Choose the point of interest and a MCDOT data sheet will be retrieved. For Primary Control points a NGS option will provide the NGS Data Sheet in a separate window.

Why don't I get the Primary Control or NGS points when I export points from the map?

The data for the Primary Control and NGS points are not linked with the same database as the Secondary Control and database points. It is something we will work toward in on a future release.